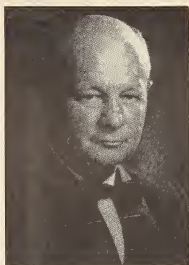


# Mustard and Keith win Gairdner awards

Two U of T doctors, John D. Keith and William T. Mustard, have each been named a recipient of a Gairdner Foundation Award.

Dr. Keith, Prof. Emeritus of the Dept. of Pediatrics, is being honoured for his contribution to the care of children with congenital heart malformations.

Dr. William T. Mustard, Chief of Cardiovascular Surgery at The Hospital for Sick Children, is being honoured for the cardiovascular surgery he has performed on children suffering from congenital heart malformations. Dr. Mustard also devised an ingenious procedure, which now bears his name, for correcting the congenital heart defect, transposition of the great vessels.

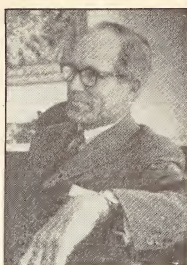


Dr. William T. Mustard

The Gairdner Foundation Awards were established in 1957 to bring international attention to the scientific achievements that relieve suffering and help to conquer disease. They may be awarded to any scientist in any part of the world.

Dr. K.J.R. Wightman, president of the Foundation, said the physician and surgeon will each receive \$10,000 for their work on congenital heart disease in childhood.

The prestigious international awards will be presented in Toronto, on Friday, October 31 by the Honourable Pauline McGibbon. Four other doctors to be honoured will be Dr. Ernest Bentler, Duarte, California; Dr. Baruch



Dr. John D. Keith

S. Blumberg, Philadelphia: Professor Henri G. Hers of the University of Louvain, Belgium; and Dr. Hugh E. Huxley, Cambridge, England.

The winners of the 18th series of the Gairdner Foundation Awards will each present brief scientific papers on subjects of their own choice at lecture sessions to be held under the chairmanship of Dr. Aser Rothstein on Friday, October 31 in the Auditorium, Medical Sciences Building, U of T.

Dr. Mustard will speak on "Milestones in Congenital Heart Surgery" and Dr. Keith will speak on "Some Aspects of Pediatric Cardiology."

## Bulletin

University of Toronto

Friday October 17, 1975

No.9 29th Year

### STATEMENT TO GOVERNING COUNCIL

## President replies to 'misleading news story'

President John R. Evans, speaking at yesterday's meeting of Governing Council, reviewed the University's policies and procedures in three areas, in response to a recently published newspaper report.

#### Text of the statement:

The responses that many of you have made to my report last month on the health of the University impressed on me that it is useful for Governing Council members from time to time to have an overview of the accomplishments and the continuing problems of the University as seen by the administration. I had not planned to monopolize your time again so soon. However, I believe the statements reported last week in the *Globe and Mail* are extremely misleading—certainly in so far as the University of Toronto is concerned. In view of the likelihood that you, as the persons answerable for the policies and the integrity of this institution, will be questioned about the accusations in that story, I should like to review for you as briefly as possible our policies and procedures in three areas: staff appointments,

student evaluation, and curriculum experimentation.

First, staff appointments. All University of Toronto Acts since that of 1906 have provided that appointments, promotions and terminations of members of the teaching staff are made by the governing body on the recommendation of the President. The President acts in turn on the recommendations of the Deans, which in our current structure reach him through the Vice-President and Provost; he must also, of course, keep in mind the financial situation, both short-term and long-term. You will be aware from your background material if not from actual experience on this Council that the recent Task Force to Review Policy and Procedures on Academic Appointments produced a report—the "Forster Report"—which has preempted the attention of the Academic Affairs Committee for two full years. The procedures and the criteria for appointments, promotions and tenure involve rigorous evaluation; the new appointment policy provides for evaluations of faculty at the end of two years, then once again at the time of tenure consideration (5 years),

then again at the time of promotion to full professor. These evaluations are not a mere formality: in the Faculty of Arts and Science, where a special faculty committee monitors all departmental recommendations for promotion to full professor, as many as 50 per cent of those put forward by departments have been turned back in some recent years. It is simply not true to say that promotions are made by seniority, that tenure is abused, or that evaluation of faculty has been abandoned. As I pointed out in my response to the Forster Report, the criteria for granting tenure, when defined and made known, will give individual faculty members a clearer picture of the University's expectations of them from the time of their initial appointment; there is a need to develop more satisfactory methods of assessing the effectiveness of teaching and facilitating self-improvement by the individual faculty member before any consideration of tenure arises, and such assessments should form part of the regular annual review of the individual's performance with the individual by the department chairman or division head.

The report on part-time academic staff is

still under study, and the new procedures for persons in this category have not yet been defined.

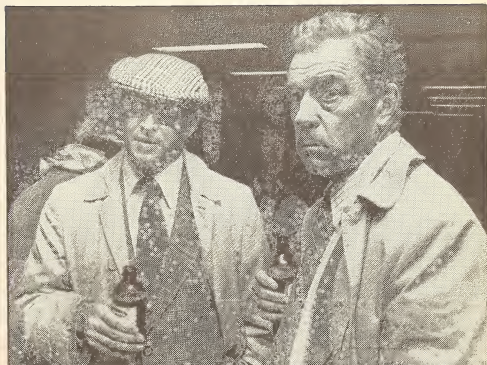
The appeals process, and, indeed, all of the procedural aspects relating to appointments, have been revised for greater clarity. This is particularly important in view of our worsening budgetary situation which dictates the avoidance of additional long-term commitments.

In our stringent financial circumstances we are having to make temporary one-year appointments because we are unable to accept longer-range commitments of funds—assuming the policy of avoiding as long as possible dismissals for fiscal reasons. A possible category of contractually-limited term appointments is being studied by the Academic Affairs Committee. Looking at the over-all distribution of the teaching staff by rank—here I use the 1974-75 figures, which are complete—there were 549 full professors and 740 associate professors, a total of 1,289 in the two senior ranks; assistant professors number 520 and lecturers 119 for a total of

*Continued on Page 8*



Spirits (bottled and otherwise) were high despite the inclement weather as Innis College held a Thanksgiving Benefit on Oct. 9. The festivities, which included a street dance, carnival, bar-b-que and a rather unique action sale, were intended both as a celebration of the impending completion of the new Innis College building at the corner of Sussex and St. George and as an incentive for the College's "Kitchen Sink Fund". The Fund hopes to raise about \$50,000 to provide furnishings and equipment for the building, scheduled to



be ready in late December. Among the never-to-be-repeated features available at the auction sale were frisée lessons from President John Evans and free legal advice from the Dean of Law, Martin Friedland. In these photographs by Martin Associates, four of the several clowns in attendance compare notes on the weather while Principal Peter Russell (wearing cap) and his predecessor, Prof. Robin Harris, sample the wares in the special pub operated in the basement of the Robarts Library.

## FORUM

### What's happening to the colleges?

A sign of the winds of change blowing freely about the campus this year is the new program set up by the traditionally conservative University Arts Women's Club for 1975-76.

Things are scheduled to start off on Oct. 23rd with a big bang. Faculty wives have arranged a panel entitled "What is Happening to the Colleges?" Principals Robson and Hallett of Victoria and University colleges respectively, and Vice-Provost M. Israel have agreed to discuss the *Memorandum of Understanding* from the points of view of the federated colleges, the constituent colleges and the central administration. Husbands and guests are invited to meet with the club members at St. Thomas Church Hall, 383 Huron St. on Thursday, Oct. 23 at 1.15 p.m. for coffee and snack. The meeting begins promptly at 1.45 p.m.

One might imagine that a club whose primary purpose is to help initiate wives of new arrivals into the university community might be satisfied with one such controversial meeting. Not at all. In an effort to educate members about university matters which so closely affect them and their families, the club has set up three more meetings just as interesting and perhaps controversial in their way.

On Thursday, November 27th at 7.45 p.m., West Hall of University College will be the scene of another panel discussion, this time on "The Pros and Cons of Unioni-

zation". Prof. J.H.G. Crispo, A.D. Allen, D. Gauthier and W. Nelson, with Prof. Dove acting as moderator, are expected to go thoroughly into this burning question.

Then in February on Thursday the 26th, again at St. Thomas Church Hall at 1.45 p.m., there will be a meeting on "The University of Toronto Pension Plan". Dean of Applied Sciences and Engineering Bernard Etkin (who chaired the Pension Review Committee) and Mr. Neil Bingham (Manager Staff Benefits) will speak about this very important and complicated part of all family financial planning.

Finally, to finish the year's program with a flourish, the club will hear about "The University and the Provincial Government". They hope to have as speakers the University Affairs critics of the two opposition parties at Queen's Park. The meeting will be at West Hall, University College, March 18th, 1976 at 7.45 p.m.

Mrs. Sybil Johns, President of the University Arts Women's Club and her program chairman, Mrs. Ann Vanstone, emphasize the desire of the club to educate and inform their members through these programs. They are also extending a cordial invitation to all members of faculty and their wives to attend. They will be made very welcome. Questions on any of these topics can be put to the speakers as long as time permits, and it is hoped that many such questions can be cleared up.

Elspeth Ross



John Glasco's *Memoirs of Montparnasse* was the hit of another publishing season, so it is not available for purposes of a book review in the *Bulletin* or the *Graduate*. However, there's many another tome ripe for reviewing. If you're interested, please contact Mrs. Anne Stockwood at the Department of Information Services, telephone 2021.

### 'I'm tired of IWY being misunderstood'

(a) to promote equality between men and women;

(b) to ensure the full integration of women in the total development of world, especially emphasizing women's responsibility and important role in economic, social and cultural development at the national, regional and international levels, particularly during the second United Nations Development Decade;

to recognize the importance of women's increasing contribution to the development of friendly relations and co-operation among states and to the strengthening of world peace.

Thus reads the General Assembly Resolution 1913 (XVII) of the United Nations declaring 1975 as International Women's Year.

Ms. Gardner (*Forum*, *Bulletin* Sept. 19) seems not to understand that 1975 was not just Women's Year, but International Women's Year. The public pressure exerted upon governments throughout the world to listen to the demands of women for economic, political and social equality is a beginning of the mutual respect for each other asked for by Ms. Gardner.

Fortunate indeed are the women of Canada. The Royal Commission Report in 1970 documented clearly and explicitly their needs. In the ensuing years various

committees such as the National Action Committee on the Status of Women have continued to prod the government into taking steps about the recommendations not yet acted upon.

The majority of the women in the world today have not been so lucky. If IWY creates some awareness of their needs for their governments, mostly male dominated, and a better understanding of their concerns, then International Women's Year will have given to many women the chance of beginning to move toward full equality. As Rosemary Brown said, "until all of us have made it, none of us have made it".

J.C. Laird,  
Associate Professor  
Faculty of Education

### Flemingization

The new logo designed for the University of Toronto's Sesqui-centennial confirms my high regard for Alan Fleming's fine work. In announcing the "emblematicizing" of this anniversary (*Bulletin*, Oct. 3), however, your report's creativing an awkward verbal form was perhaps unnecessary.

E. Birnbaum,  
Professor,  
Department of Islamic Studies.

### Scarborough marks 10 years

Scarborough College this month celebrates the tenth anniversary of the opening of its present facilities in West Hill. Special events, including a decennial lecture, a home show, a football game and a lavish dinner-dance, have been scheduled as part of the week-long "birthday party".

The musical group, Camerata Vocale, of Germany, is featured in a Sunday concert on Oct. 19 at 3 p.m. in the Meeting Place. Sunday

also marks the opening of an archival photographic display tracing the construction and development of the College. The exhibit will remain open in the S-Wing through Oct. 25.

Dr. Charles Godfrey, leader of the People or Planes group and a recently elected NDP member of the provincial Legislature, will deliver the Decennial Lecture "The Role of Citizens and Governments", on Tuesday, Oct. 21 at 8 p.m. in the Meeting Place.

## School of Dentistry celebrates its first one hundred years

One hundred years ago this fall, a group of eleven students and seven instructors gathered in two rented rooms above a cabinet shop at 46 Church St. in Toronto, and the first dental college in Canada was underway.

This year, the Faculty of Dentistry celebrates the centennial of dental education in Canada, as well as the 50th anniversary of the incorporation in 1925 of the then School of Dentistry as a professional faculty within the University of Toronto.

The year-long celebrations, which have included an open house, symposia and lectures, and the design of a mobile dental unit, climax next weekend with two performances in Hart House theatre, a special alumni day and a gala banquet and costume ball.

On Thursday and Friday, Oct. 23-24, Hart House Theatre is the stage for "Centennial All-Star Dentistics", a collection of outstanding skits from the annual Dentistry variety show, which had its debut in Convocation Hall in 1921. The special feature of this year's edition is that the skits from the past will all be performed by the original participants.

The morning and afternoon on Friday, Oct. 24 will be devoted to a special Alumni Day at the Faculty of Dentistry building on Edward St. Tours of the facilities will be available, and visitors may view a series of unique displays depicting the history of dental education in Canada, Ontario and Toronto. A centennial lecture and motion picture are scheduled as well.

There will also be special tributes to some "patriarchs in Dent-

istry", including Dr. G.T. Kennedy of St. Thomas, who marked his personal centennial on Sept. 21.

Saturday evening, Oct. 25, the Faculty joins with the Academy of Dentistry for the Centennial Banquet and Ball, to be held at the Harbour Castle Hotel. Dress is either in the style of 1875 or modern formal; President John Evans will be guest speaker.

Additional centennial celebrations will take place in November and December.

As an ongoing expression of the centennial, and as the Faculty of Dentistry's project for the U of T Sesquicentennial, students and teaching staff have co-operated to develop Project Mobile 100-150, a

mobile unit equipped with four operatory, which will serve as an extension of the dental clinic operated by the Faculty.

Project Mobile 100-150 is designed to provide service for underprivileged and handicapped children and adults throughout the City of Toronto, to provide 24-hour emergency service in the city and to provide service in small Ontario communities where regular dental treatment is not available.

Further information regarding centennial events and tickets may be obtained from the Faculty of Dentistry, telephone 928-2824, or from Dr. Jack Dale, chairman, centennial committee, telephone 928-2815 or 485-6039.



UNIVERSITY  
of TORONTO

# Bulletin

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Editor: Don Evans

Editorial Staff: Margaret MacAulay, Paul Carson  
Sheila Robinson Falls, Robina Salter  
Production: Cheryl Hennessey, Doris Adler

Director: Elizabeth Wilson

# New College stages André Gide symposium

André Gide, the Nobel-Prize-winning French writer whose works will be the subject of discussions at a symposium at New College next week, is many things to many people.

To the educated public, he is primarily the author of a few classically concise novels such as *L'immoraliste* and *La porte étroite*, complementary tales of self-indulgence and moral atrophy. Or else he is the creator of the longer, experimental *Les Faux-monnayeurs*.

Freudian psychologists delight in the numerous autobiographical writings of this militant homosexual, who married his puntan cousin and eventually enjoyed paternity through his relations with the former lady-friend of the English poet, Rupert Brooke.

Political scientists are unable to ignore Gide's two disillusioned volumes which resulted from his idealistic trip to Russia in 1936. To theatre buffs he is the interpretive translator of the French *Hamlet* so successfully mounted by Jean-Louis Barrault.

Fewer people are aware that this same author, as well as the 1890s, wrote a play with a role for a totally nude actress. Or that

he was one of the first to expose the European exploitation of Black Africa in the 1920s. Or that Gide assumed the voice of a young women's liberationist in a novel of the 1930s.

Gide is a writer of contradictions. He used the Bible and classical mythology in almost equal proportions to illustrate the moral problems which he more often posed than solved. As often as he frankly used inspiration from his favourite authors — such as Dostoevsky and Goethe — he embarked on daring literary innovations. In *La Symphonie pastorale* he damned the Protestant church he was raised in as thoroughly as he ridiculed Catholicism in *Les Caves du Vatican*.

Just who then is André Gide? Obviously, the perpetual Gidean problems will not be permanently resolved at the meeting. But the international scholars best equipped to do so will be present and trying.

The colloquium begins Friday morning, Oct. 24 with a session entitled "Oeuvres de Jeunesse"; speakers will be Prof. Réjean Robitoux, Université d'Ottawa; Prof. Walter Coerts, Universiteit Antwerpen; Dr. D. Lydia Bronte,

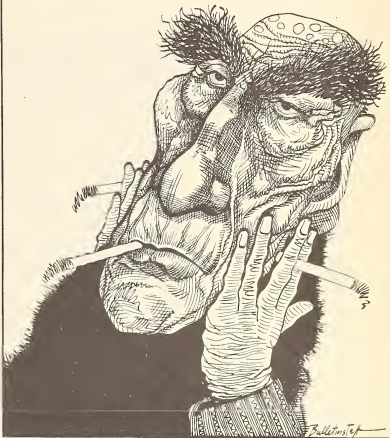
Rockefeller Foundation, New York; and Prof. Vinio Rossi, Oberlin College.

Friday afternoon the session will be "Les Récits" and speakers will be Prof. Elaine Davis Canale, Florida State University; Prof. G.W. Ireland, Queen's University; Prof. W. Andrew Oliver, U of T; and Prof. Albert Sonnenfeld, Princeton University.

Saturday morning, Oct. 25, the session is entitled "Les Soies" and speakers will be Prof. Catharine Savage Brosman, Tulane University; Prof. W.W. Holdheim, Cornell University; Prof. W. Jane Bancroft, U of T; and Prof. Alain Goulet, Université de Caen.

Saturday afternoon in the session, "Les Faux-Monnayeurs" the speakers will be Prof. Vladimir Krynski, Carleton University; Prof. Gerald Prince, University of Pennsylvania; Prof. H. J. Nersoyan, University of Dayton; and Prof. Claude Martin, Université de Lyon.

More information about the colloquium is available from Prof. W.A. Oliver, Department of French, New College, telephone 928-8965 or Prof. C.D.E. Tolton, Department of French, Victoria College, telephone 928-2925.



## DEAN MAX CLARKSON

# From English Lit to Management Studies

by Paul Carlson

A man who admits to having been "seduced by capitalism" and whose only post-graduate training is in English literature is now Dean of the Faculty of Management Studies.

It's a challenge, and Max Clarkson seems to be enjoying every minute of his "second career", an academic career which began last spring when what he describes as "the first job interview of my life" resulted in his decision to abandon the chairmanship of a large multi-national corporation in favour of cramped quarters in a refurbished office building on Bloor St.

Clarkson, 53, had been Chairman of the Board of Graphic Controls Corporation located in Buffalo, and his curriculum vitae listed a total of 15 other directorships, nine in the business world and six related to various social and cultural associations on the Niagara Frontier, including the Shaw Festival.

In returning to U of T, Dean Clarkson is resuming a contact which began at Trinity College in 1940. His studies there were not, as one might guess at first glance, in commerce or mathematics, but in English literature. One of his classmates was Milton Wilson, currently chairman of the Department of English at Trinity. Clarkson graduated in 1943 and after two years of military service, returned for an M.A. in English in 1945-6.

He taught briefly at Queen's and then it was off to Buffalo and 27 years with Graphic Controls, which had been founded by his father. Always he maintained his Canadian citizenship.

Clarkson freely admits that his theories of management are derived from his own work experience and recognizes that his lack of formal academic credentials in management studies did cause "some considerable

doubts at first" among the teaching staff when his appointment was announced.

"Before deciding to accept the offer from the University, I talked directly with the faculty and as a result I know their hopes for the future and I think they know mine."

"Maintaining credibility with one's colleagues is not simply a matter of just having the academic degrees or a winning personality; you must have a knowledge and understanding of the theoretical bases of the work being done by the faculty in many different areas."

Clarkson is no stranger to the academic milieu, having been a visiting lecturer in the School of Management at the State University at Buffalo as well as a member of several university search committees.

The Faculty of Management Studies is in the final year of a five-year plan adopted in 1971, and Clarkson's gregariousness and compelling manner are displayed to the fullest when he outlines, with obvious pride, the statistical evidence of the Faculty's achievements.

"Anyone who says our faculty are overpaid and underworked simply doesn't know the true situation," he says.

Since 1971-72, the increase in enrolment measured as gain in BIU income has been 475 units compared to the predicted 287 units; that's an increase of 70 per cent, despite an addition of only 25 per cent to the teaching staff.

The most dramatic figures are those for the part-time program, which attracted 492 students in the fall/winter session last year, compared with 353 in 1972; figures for enrolment in the summer session are even more impressive — 428 students attended during the past summer compared with only 209 three years ago.

A "significantly larger number" of applicants is returning to school after several years of successful work experience. The Faculty is now attracting professional managers as well as the traditional graduate students who are continuing in the academic stream following graduation from an undergraduate program.

"This year's applicants produced a higher average score on the standard business school tests than did last year's group, which was in the 72nd percentile, and that's already very high to begin with," says Clarkson. "I am very impressed with the quality and serious interest demonstrated by our students. They certainly aren't robots."

One of the first decisions initiated by the new Dean and his staff resulted in a radical change in the Faculty's orientation program. Aware that their students are a somewhat unique group — older than most graduate students, several with professional work experience, at least 25 per cent from outside Canada, many married and with children — the Faculty staged a two-day orientation party in Muskoka, at Camp Hollyburn on Lake Rosseau.

A fair assessment of the project's success can be gleaned from this student comment:

"Meeting the profs was surprisingly easy but sometimes risky, especially if you hung around the tennis

courts or the poker tables. Besides showing us their abilities at analyzing the brewing industry some of the profs also gave us our first lesson in how to succeed in business. After cleaning up at the poker tables, they took their money and ran (their wallets bulging with the summer earnings of inexperienced and unwary students). We want a rematch!"

For Clarkson, who enjoys meeting people, the time at Camp Hollyburn was a "real picnic".

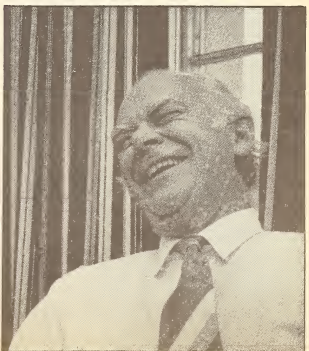
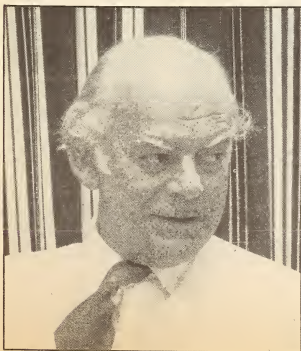
From his discussions with the students, Clarkson soon learned that very few are enthusiastic about the present Faculty home, a former oil company office complex — at the corner of Bedford and Bloor. Management Studies shares the building with the Faculty of Social Work.

"We're living a Spartan existence here, and the building certainly is lacking in aesthetic merit," Clarkson says, noting that at least one outside study (that done by the Advisory Committee on Academic Planning for the Council of Ontario Universities) rated the Faculty's facilities as the worst in Ontario.

He is impressed with the quality of research being produced by students and faculty in spite of the less than ideal facilities, and says both the teaching and research generated by Management Studies enjoy "high respect" in both the academic and management worlds.

Now that the school year is well underway, Max Clarkson is a very busy man indeed ("there are, oh, so many meetings to attend"), but he intends to maintain his contact with students, and in January will teach a course on business policy.

"There is a challenge here, as in all higher education today," concludes the new Dean. "I hope that we will be able to manage the problem of meeting the obviously increasing demand for quality education in management studies at a time when it does appear that the financial resources may not be adequate."



# STAFF NOTES

## UNIVERSITY COLLEGE

Prof. WILLIAM BLISSETT addressed a joint meeting of the Drama Centre, Graduate Department of German, and Goethe Society, held at U. of T. in March: "Colloquium on Bertold Brecht's version of Shakespeare's *Coriolanus*".

Prof. D.B. REDFORD delivered a "Report on the Work of the Akhenaten Temple Project" at the annual meeting of the American Research Centre in Egypt, held in Boston Nov. 11-12; he attended the International Conference on Egyptology in Cairo, Jan. 6-10, where he delivered a paper on "The Histrionography of Ancient Egypt".

Prof. HARVEY KERNPECK, at the Learned Societies conferences in Edmonton was elected chairman of the central region of the Humanities Association of Canada, elected to the executive of the H.A.C., and to the editorial board of the association's *Review*.

Prof. KENNETH QUINN delivered the Charles Beebe Martin lectures for 1975 at Oberlin College in April. His subject was "The Roman Writer and his Audience". The lectures will be published in the Martin lecture series by Harvard University Press.

## ST. MICHAEL'S COLLEGE

Prof. ECKEHARD CATHOLY gave a lecture, "Der Mönche Cisterciens und ein Seminar: Quinismus Kuhlmann's Kuhlpsalter" on Feb. 28 at Cornell University.

Prof. J.M. CAMERON read papers on "Death" at St. John's University, Collegeville, Minn. on March 6; and on "Newman, Propositions and Common Sense" at the International Conference on Newman held at University College, Dublin, June 22-27.

## VICTORIA COLLEGE

Principal JOHN M. ROBSON, during the winter, gave a paper to the Canadian Philosophical Association on John Stuart Mill's view of liberty and utility; contributed a lecture on politics and society to the University of Minnesota's series on the Mind and Art of Victorian England; spoke at Otanabee College, Trent, on abuses of language; and attended the executive and general meetings of the Conference on British Studies at Yale.

Prof. J.E. HODGETTS was Visiting Professor for the spring term to Northwestern University and lectured on Canadian government as part of the Canadian studies program in the Department of Political Science. He has been appointed Visiting Professor to the Department of Political Science, Dalhousie University, for the academic year 1975-76.

Prof. (Emeritus) KATHLEEN H. COBURN received an honorary D. Litt. degree from Cambridge University in June.

## EMMANUEL COLLEGE

Prof. DAVID DEMSON was one of three delegates representing Canada at the "Recontre pour l'Universite de L'UNESCO" in Paris, March 15.

## SCARBOROUGH COLLEGE

Principal D.R. CAMPBELL participated in a panel discussion on the world food crisis at the Albert Campbell Library on Dec. 6, led a panel discussion on "The Training of Economists and Economic Administrators: Issues and Options" at the "Colloquium on the



Dean Bernard Etkin of Applied Science and Engineering received the American Institute of Aeronautics and Astronautics Mechanics and Control of Flight award for 1975. The citation was "for outstanding contribution to the science, the practice, and the teaching of aircraft and missile stability and control." Prof. Etkin is seen here throwing a frisbee.

Training of Economists" held at Ann Arbor, Dec. 22; and acted as chairman of a session devoted to "Economic Development in Africa" at the annual conference of the Canadian Association of African Studies held at York University, Feb. 19-22.

Prof. IAN R. BROWN gave seminars on aspects of his research on that topic at McGill University and lectured on "Adultério e amor cortese nel *Decamerone*" at the Italian Cultural Institute in Montreal.

Prof. G.B. BIEDERMAN during November gave an invited paper on "Signalling Noxious Events to Rats: Methodological Problems and Evidence" to the Animal Behaviour Group, Atkinson College, York University; and attended the meetings of the psychonomic Society in Boston and with Prof. J.J. FURDY presented a paper, "Methodological Problems in Evaluating Rat Preference for Signalled or Unsignalled Shock".

Prof. J. CORBETT gave a lecture on "Urban Development in Rome: The Forum" at Trent University on Dec. 5.

Prof. L. FELDHAMMER gave an invited talk on "Anthropology and the Canadian Native Peoples" at Simon Fraser University on Feb. 26. The lecture was sponsored by the Simon Fraser Student Society.

Prof. A. FRANCESCETTI attended an international convention in October to celebrate the six hundredth anniversary of the death of Francesco Petrarca organized by the Fondazione Giorgio Cini in Venice and read a paper, "Il Petrarca nel pensiero critico di Scipione Maffei"; on Jan. 16 he lectured on "L'Ariosto lettore dell'*Orlando Innamorato*".

for the Dante Society of Toronto; and on Jan. 27 he led a seminar on that topic at McGill University and lectured on "Adultério e amor cortese nel *Decamerone*" at the Italian Cultural Institute in Montreal.

Prof. A. GRIFFIN gave seminars on "Surface Magnetism in Itinerant Electron Systems" at Cornell University on Oct. 31 and at Ohio State University, Columbus, on Jan. 30. He visited the Chalk River Nuclear Laboratories on Nov. 28 and gave a seminar on "Excitations in Interacting Bose Systems with Large Depletion".

Prof. M.R. KLEINDIENST attended a symposium on Primitive Technology and Art at the University of Calgary in November and presented a paper, co-authored by Prof. C.M. Keller of the University of Illinois, entitled "Toward a Functional Interpretation of Handaxes and Cleavers: The Evidence from East Africa" in the invitational symposium "Lithic Analysis: Theory, method and innovation" on Nov. 16.

Prof. CLARE HOPEN acted as chairman of the "Contemporary African Films" session of the 1974 American Anthropological Association Film Screening held in Mexico City, Nov. 19-24. His films *The Market's Edge* and *Soro* were shown at the meeting.

Prof. H. KLEIN read a paper entitled "Enumeration and Quantification: Linguistics, Ethnographic and Cognitive Reflexes" at the meetings of the American Anthropological Association in Mexico City, Nov. 24.

Prof. P.J. O'DONNELL gave a talk on the new particles in physics to the Physics Department, Carleton University on Feb. 4 in a seminar entitled "Things ain't what they used to be".

Prof. A.N.SHEPS gave a paper entitled "English Radicalism and American Revolution" at the 47th Anglo-American Conference of Historians held in London in July.

Prof. ALAN C. THOMAS spent Jan. 27-30 at McGill University as exchange visiting lecturer with the English Department. While there he gave a public lecture on social documentary photography of the Victorian period and visited undergraduate and graduate classes.

Prof. K.R.J. SANDBROOK gave a talk on "Participation and Change in Clientelistic Politics" to the Third World Group at the University of Western Ontario on Feb. 11.

Prof. A. TAYYEB gave a paper on "The Demographic Component of the Problems of Human Survival" at a conference at Trent University, Jan. 27-Feb. 3; and participated in a panel discussion on "The Fallacies in the Concept of Limits to Growth" at a meeting of the Ontario Secondary Schools Federation at the Scarborough Civic Centre on Feb. 18.

Prof. H. WITTMANN read an invited paper on "Language Crisis and Escape into Myth" at a symposium, "Language on Trial", held at the State University of New York in Buffalo on Feb. 21.

## ERINDALE COLLEGE

Profs. R. GUNN and D. LAMB-DEN attended the annual meeting of the Association of Ontario Land Surveyors in Sudbury, Feb. 2-5, where Prof. Lambden gave a paper on boundary law as part of the technical session and gave a report on the Erindale Survey Science program.

Prof. DAVID RABY attended the conference of the Canadian Association of Latin American Studies in Edmonton in May and presented a paper entitled "Ideology and State-Building: the political function of rural education in Mexico 1921-1935".

Prof. DESMOND MORTON gave a paper entitled "The Overseas Campaign: The Military Voters' Act and the 1917 Election" at the Toronto-York Uni-

versity Canadian Historians' Colloquium on Feb. 10.

Prof. JOSEPH SKVORECKY has been made a member of the Comité d'Honneur of the quarterly magazine *Cahiers de l'Est*. The first number, with editorial by Eugene Ionesco, was published in February. The magazine will publish fiction, poetry and literary criticism by authors, whether living in their home countries or abroad, from the Soviet bloc.

Prof. CECILE CLOUTIER-WOJCIECHOWSKA, on sabbatical leave, read a paper on "La poésie et l'Attention" at the Congrès de Philosophie de Langue Française at Reims in September; and in December in Paris gave a lecture on Quebec poetry to the France-Quebec Association, and a lecture on Canadian literature at "Rencontres littéraires de l'avenue Foch".

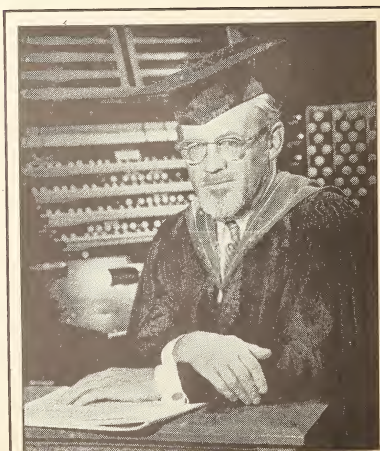
Prof. T.H. ADAMOWSKI read a paper entitled "Heroes and Family Romances in Faulkner's *Abolom, Abolom!*" to the seminar on applied psychoanalysis at Victoria College, Jan. 22.

Profs. WILLIAM HURLEY, L.L. SAMPLE and A. MOHR participated in an international conference on Japanese archaeology at Trent University, Jan. 18-20. Prof. Hurley presented a paper on the computer study of artifacts from a Jomon site in Hokkaido, and Dr. Sample a paper on cultural relationships with Korea during the Neolithic age.

Dr. R.P. DAVIS attended a conference and workshop of the Society of Clinical and Experimental Hypnosis in Montreal, Oct. 7-12.

Prof. M.J. HARE, a member of the secretariat and economic consultant to the Solid Waste Task Force, participated in the preparation of *The Report of the Beverage Packaging Working Group of the Solid Waste Task Force* for the Ontario Ministry of the Environment.

Profs. P. HORDEN and D. O'DAY attended the American Society for Microbiology's conference on Cell Differentiation and Cell Communication held at the



Dr. Charles Peaker, University organist, has been named honorary president of the Royal Canadian College of Organists. Dr. Peaker who is no longer bearded, as he was in 1968 when this picture was taken, will be heard in the fall series of organ concerts in Convocation Hall in November.

## STAFF NOTES

Asilomar Conference Grounds, Pacific Grove, Calif., Oct. 14-18. At the University of California, Berkeley, Prof. O'Day gave a talk on "Morphological and biochemical aspects of microcyt germination in *Polyphosphorylulim pallidum*" and Prof. Horgen on "Molecular aspects of hormone-induced sexual development in *Achlya ambixualis*".

Prof. D. THORNTON and J. AMERNIC delivered a paper entitled "Basic Issues in Leasing" to members of the University De-

## ARTS &amp; SCIENCE

Prof. H. ALLEN BROOKS last year delivered lectures on "Spatial Concepts in Frank Lloyd Wright's Domestic Architecture" at Harvard University and on "The Significance of the Vernacular for Frank Lloyd Wright" and "Process and Technique in the Constructed Spaces for Frank Lloyd Wright" at the Massachusetts Institute of Technology.

Prof. W. McALLISTER JOHNSON gave a lecture on "The Francis I Gallery at Fontainebleau, Michelangelo and the Aesthetics of Emblematics" in February at the University of Rochester. At the 1975 North Central Renaissance Conference at SUNY-Buffalo, he gave the inaugural address, "Creation and Re-Creation in Renaissance Art". He gave a series of *seances de travail* as well as a public lecture on "problematique et esthetique de l'emblème au 16e siècle" at the Institut de Latin, Université de Poitiers in May. He spent the month of June with Prof. Victor E. Graham retracing the 1564-1566 itinerary of Charles IX and the French Court and in visiting archival depositories in the provinces in preparation for a book on triumphal entries and festivals after the First War of Religion.

Prof. KEITH YATES gave a lecture entitled "The Kinetics of acid-catalyzed reactions in non-dilute solutions" at the 8th Caribbean Chemical Conference held in Georgetown, Guyana in January. He also gave invited lectures on the same topic at Dalhousie and Memorial Universities later that month. He attended the 43rd Congress de l'ACFAS at the Université de Moncton and presented a paper entitled "Une nouvelle méthode pour le traitement cinétique des réactions en milieu fortement acide".

Prof. J. E. DOVE attended the 4th International Conference on Molecular Energy Transfer at Loccum, West Germany in July and presented a paper entitled "Experimental and Computer Studies of the Mechanism of Vibrational Relaxation of H<sub>2</sub>". Following the conference he gave a colloquium on "Molecular Energy Transfer Processes and Dissociation Reactions of Simple Molecular Gases" at the Institute for Physical Chemistry of the University of Goettingen.

Prof. J. B. JONES gave colloquia, on the topic "Some Synthetic Applications of Enzymes in Organic Chemistry" at the University of Western Ontario, and "Synthetic Applications of Enzymes in Organic Chemistry" at McMaster and York Universities. He gave an invited lecture on "Applications of Enzymes in Organic Chemistry" at the Hoffman-La Roche Research Laboratories, Nutley, N.J.

Prof. C. C. GOTTLIEB participated as an invited speaker in a conference on Distribution of Information System Functions, sponsored by IBM, held in Stock-



Prof. Greta Kraus of the Faculty of Music was nominated as an outstanding woman of the province of Ontario for International Women's Year.

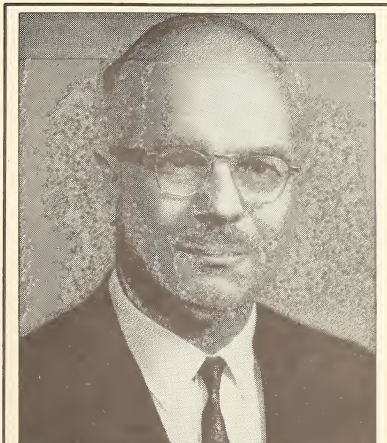
holm and gave a paper on "Computer Resource Sharing in University Environment". He spoke on "Choosing a Storage Schema" at the Mathematics/Engineering Day in Computing and Systems Science at Carleton University; and at a colloquium on economics of computers gave a lecture on "Centralization vs. Decentralization" at the University of Minnesota, Minneapolis. In connection with a contract between CIDA and the Brazilian government for a study program of the Departments of Computer Science at U of T and the Pontificia Universidade Católica do Rio de Janeiro and N.E. Universities of Brazil, Prof. Gottlieb visited a number of Brazilian universities to take part in the organizing meetings of the Steering Committee. During his visit he delivered a lecture on "Choosing a Storage Schema" at the Catholic University of Rio de Janeiro.

Prof. AZIZ AHMAD delivered the Qaid-Azaz Memorial lectures at the invitation of the government of Pakistan at universities there: at the University of Islamabad, "The Shrinking Frontiers of Islam", at the University of the Punjab, Lahore, "Transmission of Islamic Cultural Heritage to Medieval Europe", and at the University of Karachi, "Safawid Poets and the Mughal India".

Prof. WILLIAM SAMARIN delivered a paper entitled "Historical, ephemeral and inevitable verbal categories" and spoke on "The Terminological Basis for Creole Studies" at the International Conference on Pidgins and Creoles held in Honolulu in January.

Prof. KURT LEVY visited the University of Manitoba in January and lectured on "Literature and Society in Latin America" and "Don Juan - vagabundo inescapable", and visited Acadia University where he lectured on "Aspects of the Spanish American Narrative". He addressed the

spring seminar of the Women's Branch of the Canadian Institute of International Affairs on "Latin American Literature of Today". Prof. Levy, attending the 17th Congreso del Instituto Iberoamericano de Literatura Iberoamericana in Madrid, Seville and Huelva, presented a paper on "La 'musica' de Leon de Guef", chaired a working session and served as one of the sectional relators.



Prof. J.H. Parker, Department of Hispanic Studies, is the first Canadian to be president of the American Association of Teachers of Spanish and Portuguese in the association's 57-year history. Prof. Parker has also been presented with a life membership in the Ontario Modern Language Teachers' Association "in recognition of distinguished service rendered to OMLTA and to the students and teachers of modern languages in Ontario".

Prof. MARIA ELENA VALDES was elected a member of the executive council of the Canadian Association of Latin American Studies for the period, 1975-78.

Prof. G.P. CLIVIO gave public lectures in December at the Universities of Fribourg and Frankfurt on "Der Einfluss der englischen Sprache auf das Italienische in Kanada". He attended the 4th International Conference of the Ontario Modern Language Teachers' Association and the New York State Association of Foreign Language Teachers held in Toronto in February and spoke on "Linguistic Interference in the Language of Italo-Canadians". Prof. Clivio gave a public lecture in May at the University of Konstanz, West Germany, on "Sprachen im Kontakt: Probleme der Bilingualismus". He also took part in round table discussions at the annual meeting of the Centro per lo Studio dell'Insegnamento all'Estero dell'Italiano held at the University of Trieste and at the meeting of the Società di Linguistica Italiana held in Rome in May. In August, he gave a paper on "The Assimilation of English Loan Words in Italo-Canadian" at the Congress of the Linguistic Association of Canada and the United States held in Toronto.

Prof. S.B. CHANDLER gave a paper on "The Language of Instruction in Literature Courses" at the 4th International Conference of the Ontario Modern Language Teachers' Association and the New York State Association of Foreign Language Teachers held in Toronto in February. Prof. Chandler with Prof. J.A. MOLINARO and A.A. IANNUCCI attended the annual meeting of the Canadian Society for Italian Studies held in Edmonton in May. Prof. Chandler read a paper on "Manzonian and William Godwin"; Prof. Molinaro on "Superbia, Ira, Invidia and Gola in the Orlando Furioso"; and Mr. Iannucci on "Ulysses 'folle volo': The Burden of History".

Mr. Iannucci and R. CAPOZZI attended the meeting of the

Northeast Modern Language Association in Montreal in April, where Mr. Capozzi was elected secretary of the Italian Section (Contemporary Literature) and Mr. Iannucci was elected secretary of the Renaissance Section. Mr. Iannucci read a paper on "L'Elegia di Madonna Fiannetta and the First Book of the Asolani: The Eloquence of Unrequited Love".

Prof. M. DANESI gave a paper on "A Tagmemic Model of Italian Verb Morphology" at the Congress of the Linguistic Association of Canada and the United States held in Toronto in August.

Prof. R. MORTON SMITH gave a paper on "Geometric Motifs in Indian Art" at the Asian Art Panel of the Universities Art Association of Canada conference held at York University in February. In April, he attended the annual meeting of the American Oriental Society in Columbus and read a paper, "Lysias and Anticalides". In June, Prof. Smith attended the 2nd World Congress of Sanskritists held in Turin.

Prof. G.T. ARTOLEA attended the annual meeting of the American Oriental Society to read a paper on the Banner of Karma.

Prof. BIMAL K. MATILAL was a guest of the University of British Columbia in March. He delivered a lecture on "The notion of *Dukha* in Indian philosophy" and presented a seminar on "The concept of *AVIDYA* in Buddhism". He was a discussant of a paper by Ashok Gangadhar, "Formal Ontology and Comparative Philosophy" given at the AAS meeting in San Francisco in March. In May, he was a guest of the Indiana University where he delivered a lecture on "The Indian concept of *Anuśū* (*Dukha*), *Nirvana* and the holy man" and gave a paper entitled "On the Naya-Nyaya logic of property and location" at the 5th international symposium on Multiple-Valued Logic.

Prof. N. K. WAGLE attended an international and interdisciplinary seminar on "Judge and Procedure: Transformation from Tradition to Modernity through the Instrumentality of Law" organized by the University of Heidelberg, held in New Delhi in February, where he read a paper, "Procedure and Decision in the 19th Century Maharashtra".

Prof. D.G. HUNTLEY attended the annual conference of the American Association of Teachers of Slavic and East European Languages and read a paper entitled, "The -I participle without auxiliary in Old Church Slavonic".

In the Russian section at the 4th international conference of the Ontario Modern Language Teachers' Association and the New York State Association of Foreign Language Teachers held in Toronto in March, Prof. GALINA KRUBERG was program chairman and moderator for a panel discussion on "The Correlation between the Language of the Original and its Translation: (a) in reading Russian literary sources, (b) as a means in teaching a foreign language". Panelists were Prof. IRINA EVREINOV, DAVID G. HUNTLEY and SUZANNE WHALEN.

Prof. ANATOL RAPOPORT conducted seminars on general system theory and decision theory at the School of Advanced Technology, New York University at Binghamton, and at the University of Kentucky, Lexington. He gave colloquia on the uses of mathematics outside the physical sciences and decision theory at Wharton School of Business, University of Pennsylvania.

## JOB OPENINGS

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the personnel office for further information. The number in brackets following the name of the department in the list indicates the personnel office responsible.

Please call: (1) - Sylvia Holland, 928-6470; (2) - Wendy Chin, 928-5468; (3) - Manfred Wewers, 928-4834; (4) - Ann Sanfield, 928-2112; (5) - David Christman, 928-7308.

Clerk III (\$7,130 - 8,390 - 9,650)  
Temp. - Personnel (1)

Clerk IV (\$8,640 - 10,160 - 11,680)  
Dentistry (1)

Clerk Typist II (\$6,480 - 7,620 - 8,760)  
U of T Press, Downsview (2)

Clerk Typist III (\$7,130 - 8,390 - 9,650)  
Temp. - Astronomy (1), Computer Science (1)

Clerk Steno II (\$6,480 - 7,620 - 8,760)  
Temp. - Chemical Engineering (5)

Clerk Steno III (\$7,130 - 8,390 - 9,650)  
Temp. - Industrial Engineering (5)

Secretary I (\$7,130 - 8,390 - 9,650)  
P/T - Chemistry (1), Temp. - Student Awards (1), Temp. - Civil Engineering (5), Physical Plant (5), P/T - Centre for Industrial Relations (2), Nursing (4)

Secretary II (\$7,850 - 9,230 - 10,610)  
Dentistry (1), Medicine (4)

Accountant I (\$7,850 - 9,230 - 10,610)  
P/T - Women's Athletics (1)

Laboratory Technician I (\$7,130 - 8,390 - 9,650)  
Zoology (1)

Laboratory Technician II (\$8,640 - 10,160 - 11,680)  
Physiology (4)

Laboratory Technician III (\$10,610 - 12,470 - 14,340)  
Pathology (4), Biochemistry (4), Medical Genetics (4), Physiology (4)

E.M. Technician II (\$9,610 - 11,300 - 13,000)  
Pathology (4)

Programmer I (\$9,120 - 10,730 - 12,340)  
Pharmacology (4)

Programmer II (\$11,210 - 13,190 - 15,170)  
Information Systems (3)

Curatorial Assistant II (\$9,610 - 11,300 - 13,000)  
Botany (1)

## RESEARCH NEWS

### Increased Computer Costs for Research

ORA has been advised by the Computer Centre of the likelihood of a 7 per cent increase in computer costs for research purposes effective May 1. Grant applicants are therefore advised to adjust their budgeting to allow for this increase.

### Environment Canada Ontario Environmental Ministry

Environmental scientists and engineers may be interested in attending a seminar "High Quality Effluents" sponsored by

the Technical Committee for the Canada-Ontario Agreement on Great Lakes Water Quality, to be held at the Four Seasons-Sheraton Hotel, Toronto, on Dec. 2 and 3.

The complete program and registration form will be available in ORA. For further information call 2874.

### Ontario Thoracic Society

We have been notified by the Society that they do not support a fellowship program. The personnel support program is handled by the Canadian Thoracic Society, and grant applicants are asked to make a note of this distinction.

## BRIEFLY

Dr. J. Harry Ebbs, former Director of the School of Physical and Health Education, received an Honorary Degree this summer from Trent University.

Dr. Ebbs is Professor Emeritus in the Faculty of Medicine, Department of Pediatrics and served two terms as P & H Director totalling almost 14 years during the period 1953-72.

Because of the reorganization of the Varsity Fund this year's campaign did not get underway until July. With a target of

\$554,887.00, the Fund is proud to report that 35% of the objective had been reached by September.

Lawrence F. (Larry) Jones, editorial consultant in the Department of Information Services, has been elected an honorary member of the Association of Canadian University Information Bureaus. Mr. Jones represented U of T in ACUB from its founding in 1968 until his retirement from full-time service with the University last June 30.

## PH D ORALS

Friday, October 17

James Meny, Department of Philosophy, "On Falsitude and Truth: The Livability of the Philosophy of Martin Heidegger." Thesis supervisor: Prof. H. Pietsma. Room 201, 65 St. George St. 10 a.m.

Tuesday, October 21

E. A. Anyahuru, Department of Civil Engineering, "The Kinetics of Some Nitrate Nitrifiers Isolated from Activated Sludge." Thesis supervisor: Prof. R. H. Jones. Room 4049, Robarts Library, 10 a.m.

Karen Doris McFadden, Department of English, "George Bernard Shaw and The Woman Question." Thesis supervisor: Prof. R. Davies. Room 4049, Robarts Library, 2 p.m.

Karen Rochelle Mock, Department of Educational Theory, "The Relationship of Audio-Visual Attention Factors and Reading Ability to Children's Television Viewing Strategies." Thesis supervisor: Prof. K. G. O'Bryan. Round Room, Massey College, 2 p.m.

Martha Parrott, Department of Medieval Studies, "An Edition of the Ilias of Simon Chevre D'Or." Thesis supervisor: Prof. A. G. Rigg. Room 201, 65 St. George St., 2 p.m.

Tarlo Singh, Department of Educational Theory, "Testing of Hypotheses Regarding Equating of Grades on the Basis of Common Battery of Measurements." Thesis supervisor: Prof. R. P. Bhargava. Room 108, 16 Hart House Circle, 2 p.m.

John Gerard Dimond, Department of Philosophy, "Sense Data and the Argument From Illusion in Price and Ayer." Thesis supervisor: Prof. E.J. Kremer. 2290 Medical Sciences Building, 2 p.m.

Lawrence Irwin Gould, Department of Philosophy, "Sense Data, 'An Evaluation of Alternative Models for Predicting Security Returns.'" Thesis supervisor: Prof. M. Gordon. Room 200, Larkin Building, 3 p.m.

Wednesday, October 22

Bryan Clarke, Department of Anatomy, "Erythroid Transformation of Hemopoietic Cells in Vitro by Friend Spleen Focus-Forming Virus." Thesis supervisor: Prof. A. Axelrad. Room 108, 16 Hart House Circle, 10 a.m.

Durgadas Patnaik, Department of Educational Theory, "Testing Difference Between Reliability Co-efficients." Thesis supervisor: Prof. R. P. Bhargava. Room 201, 65 St. George St., 10 a.m.

Carole Susan Yellin, Department of Educational Theory, "The Role of Evaluative Feedback in Counselling Supervision." Thesis supervisor: Prof. M. A. J. Guttman. Round Room, Massey College, 10 a.m.

Florence Irene Henderson, Department of Educational Theory, "Organizational Structure and the Adoption of Innovations in Education." Thesis supervisor: Prof. T. B. Greenfield. Room 201, 65 St. George St., 2 p.m.

Kenneth A. McKinnon, Department of English, "The Relation of D. H. Lawrence's Thought to His Prose Style up to 1916." Thesis supervisor: Prof. W. J. Keith. Round Room, Massey College, 2 p.m.

R. G. Rice, Department of Civil Engineering, "Performance Characteristics of Two-Mode Transportation Systems for Varying Urban Form." Thesis supervisor: Prof. R. M. Soberman. Room 108, 16 Hart House Circle, 2 p.m.

Mechel Colniker, Department of Near Eastern Studies, "The Commentary of Rabbi David Himhi on the Book of Judges." Thesis supervisor: Prof. E. Talmage. Room 2290, Medical Sciences Building, 3 p.m.

Thursday, October 23

Kenneth Amoroso, Department of History, "Gerard Winstanley, Religious Mystic or Secular Marxist." Thesis supervisor: Prof. E.E. Rose. 200 Larkin Building, 9:30 a.m.

David Rae Fawcings, Department of Management Studies, "Corporate Growth and the Risk of Common Stocks." Thesis supervisor: Prof. M. Gordon. 3268 Medical Sciences Building, 10 a.m.

H. B. Geddes, Department of Physics, "Study of Chiral Symmetry Breaking in a Linear Su(3)  $\sigma$  Model." Thesis supervisor: Prof. R. L. Armstrong. Room 108, 16 Hart House Circle, 10 a.m.

Kai-Wang Ng, Department of Mathematics, "Inference of Separated Parameters in Multivariate Models." Thesis supervisor: Prof. D.A.S. Fraser. Room 201, 65 St. George St., 10 a.m.

Syed Fazal Abbas, Department of Civil Engineering, "Dynamic Analysis of Shallow Shells Using Finite Element Mixed Models." Thesis supervisor: Prof. G.T. Will. 4049 Robarts Library, 2 p.m.

Malcolm B. Cairns, Department of Mathematics, "A Structural Model for the Analysis of Directional Data." Thesis supervisor: Prof. D.A.S. Fraser. Round Room, Massey College, 2 p.m.

M.S. Miller, Department of Physics, "Induced Spectra in Gases." Thesis supervisor: Prof. J. Van Kranendonk. Room 201, 65 St. George St., 2 p.m.

Gary Rietzfeld, Department of English, "The Picturesque: Critical Theory and Practice 1782-1816." Thesis supervisor: Prof. K. MacLean. 201 Larkin Building, 2 p.m.

Eric Thomas Chafe, Department of Music, "The Church Music of Heinrich Biber." Thesis supervisor: Prof. M. R. Maniates. 310 Edward Johnson Building, 4 p.m.

Friday, October 24

Anthony Verna, Department of Italian Studies, "The Literary Criticism of Giuseppe Mazzini." Thesis supervisor: Prof. S.B. Chandler. Room 2394, Medical Sciences Building, 10 a.m.

John Brebner, Department of Pharmacology, "Soluble Esterases of Human Lung and Liver." Thesis supervisor: Prof. W. Kalow. 4049 Robarts Library, 10 a.m.

William Clifford Carbo, Department of Educational Theory, "The Development of Reasoning Ability to the Adolescent Years." Thesis supervisor: Prof. S. Nishi. 3259 Medical Sciences Building, 10 a.m.

John David Featherstone, Department of Zoology, "Aspects of Nest Site Selection in Three

Species of Ducks." Thesis supervisor: Prof. J. B. Falls. 519 Pharmacy Building, 10 a.m.

Kenneth Henwood, Department of Philosophy, "Paradigmism in Plato's Later Dialogues." Thesis supervisor: Prof. T. Robinson. Croft Chapter House, 10 a.m.

E.G. Parrott, Department of Educational Theory, "The Relation of Cognitive Abilities, Stimulus Variation, and Instructions to Concept Identification." Thesis supervisor: Prof. R. E. Traub. 2290 Medical Sciences Building, 10 a.m.

Phillip Michael Rawkins, Department of Political Economy, "Minority Nationalism and the Advanced Industrial State: A Case Study of Contemporary Wales." Thesis supervisor: Prof. R.A. Manzer. Board Room, Pharmacy Building, 10 a.m.

Richard James Shroyer, Department of English, "Studies in the Chronology and Contexts of William Blake's Early Poems: The First Decade 1783-1793." Thesis supervisor: Prof. G. E. Bentley, Jr. 2nd floor Conference Room, Robarts Library, 10 a.m.

Herbert Alvin Sohn, Department of Social Work, "Human Rights Legislation in Ontario: A Study of Social Action." Thesis supervisor: Prof. D. Bellamy. Room 108, 16 Hart House Circle, 10 a.m.

A.H.M. Vander Voet, Department of Chemistry, "Applications of Vibrational Spectroscopy to Inorganic Chemistry." Thesis supervisor: Prof. G. A. Ozin. Room 201, 65 St. George St., 10 a.m.

Kimitrios Konstantareas, Department of Political Economy, "An Unemployment-Inflation Model." Thesis supervisor: T. A. Wilson. Round Room, Massey College, 2 p.m.

S. Dale Standen, Department of History, "Charles de Gaulle, de Gaulle, Governor-General of New France 1726 - 1747." Thesis supervisor: Prof. W. J. Eccles. Room 342, Sandford Fleming Building, 2 p.m.

Helen N. Guest, Department of English, "French Influences on the Poetry of Andrew Marvell." Thesis supervisor: Prof. A. Pritchard. 4049 Robarts Library, 2 p.m.

## Nominees sought for \$5000 McCharles prize

Candidates for the McCharles prize, that carries an award of \$5000, are being sought by the nomination committee.

The prize, established in 1907, is awarded for the discovery of improved methods of treating Canadian ores and minerals, for contribution to safety in the use of electricity, or for notable achievement in scientific research in any useful practical line.

The McCharles prize has been awarded only 12 times since its inception, most recently in 1966. Candidates for the prize must be proposed by a qualified person familiar with the candidate, which the candidate is being nominated. All candidates must be Canadian citizens and must have been living in Canada when the cited work was performed.

Please send nominations to Dean Bernard Fildes, Faculty of Applied Science and Engineering, before the Dec. 1 deadline.

## Biomed creates bone plate

Today the new synthetics produced in engineering laboratories play an increasingly important role in replacing worn, weakened, and diseased parts of the body. In the field of biomedical engineering, the engineer and the doctor are collaborating ever more frequently.

In one such synthesis of engineering and medicine, Prof. R.T. Woodhams, a U of T chemical engineer, has developed a new plastic bone plate for the internal fixation of fractures. Woodhams and his team have collaborated with the instigator of the concept, Dr. Ian Macnab, Chief of Orthopaedics at the Wellesley Hospital.

The new bone plate surpasses earlier types in that it can be bent during operation. It can be tailored to fit the curve of the bone it is reinforcing.

Dr. Macnab explains that "all the bones of the body are curved. The new plate can be bent and it is also more durable because Prof. Woodhams has found a way to laminate it to withstand the stress normally borne by bone.

"Alloys have often been used as internal plates and as components for joint replacement. But we have found that implanted metals are subject to electrolytic reactions and the resulting corrosion leads to mechanical failure. To overcome these problems we have been using stainless steel and the alloy, titanium."

An interesting repercussion of metal plates and replacements in the body often occurs when an innocent patient passes through the metal detecting machine in the security area of an airport and loud alarms are set off.

Dr. Macnab says that "medicine was slow to employ the new materials because the body is remarkably able to get rid of plastic chemicals. Even such chemically inert substances as nylon will become fragmented when left in the tissues." Teflon, polycarbonates, polyethylenes, silicones, and acrylics neither erode nor become weakened in the body through electrolytic reaction. However, they do deform under load.

"For many years," says Dr. Macnab, "we have known that a material becomes stronger and tougher when it is laminated or when other materials are added. The Samurai sword is strong because it is made of multiple layers



Prof. R. T. Woodhams holds the bone plate recently created in the Chemical Engineering laboratories. With him are Zenab Elgindi, centre, a graduate student recently arrived from Egypt, and Igor Danyliuk, a third year student who worked with Prof. Woodhams and others to produce the new bone plate for the internal fixation of fractures.

of paper-thin steel. The Egyptians added straw to make their bricks durable. The medieval plasterers added a backing of calico to their plaster to prevent cracking.

"The great advantage in the bone plate Prof. Woodhams and his team have created lies in the fact that it is laminated for greater strength and yet can be shaped at time of operation."

The investigation of new materials for bone plates has led to changes in other plastic materials currently used in orthopaedic procedures. Plastic artificial cartilage surfaces are being reinforced in much the same way that tires are radially bonded; growing cement (now used to repair the large bone defect occurring after a tumour is resected) is plastic-reinforced; and plastics are used to reinforce ligaments.

Dr. Macnab reflects that the inherent defect of the earlier forms of plastic bone plates—that they were biodegradable and readily disposed of by the body—may one day be turned to advantage: it may be possible to create a biodegradable plate that will grow weaker as the healing fracture becomes stronger.

Currently, the newly developed bone plates are being tested *in vivo* in animals before clinical trials in humans. The project is supported by U of T's Connaught Fund. The team included Prof. V.R. Riley and A.J. Timusk; and Drs. H. Cameron, P. Welsh and E. English.



Dr. Ian Macnab

In another field of engineering, Prof. Woodhams collaborated with Prof. Michael Piggott to devise a method of extending the life span of an asphalt road by tenfold. By freezing discarded tires in liquid nitrogen, crushing the resulting product to a fine powder, and adding it to hot asphalt and stones, the researchers have produced a product which, at only 50 cents a ton may save Metro Toronto thousands of dollars. Engineering student Scott Keir won a medal for his work on the product.

Mica is another material which Prof. Woodhams cites as having the potential for "becoming a major new material of construction that may replace steel, aluminum, and wood because of its advantageous strength: weight ratio.

## Homecoming 1975

Chuck Sumi, who graduated from Forestry in 1965, is flying down to Toronto from Wawa, Ontario, this weekend to attend Homecoming. Although this is not the first time he's been to Toronto since graduating, it is the first time he's been home to Homecoming.

Why this year? Because Marie Rauter, class president, has arranged a reunion, the first since the 23 men and one woman of Forestry 675 graduated. About 10 class members are expected.

"I'm really coming to see some of the people I went to school with, and to have a holiday," says Sumi. "I try to see some of my professors whenever I'm back in Toronto but this is the first University function I've attended."

Ten years after graduating, it is

the people, both students and professors, that Chuck Sumi is interested in seeing. "I didn't have great marks at University. I was too busy trying to get through to do much else, so I can't say my memories are of the University itself."

The class of 675 will attend a party on Friday evening and go to the parade and the football game on Saturday, as well as the dance at Hart House. "I don't really care what we do while we're here as long as I see the people I went to school with," says Sumi.

Sumi has been working for the Department of Natural Resources in Wawa for the past two years. He is one of at least three from his class coming down from northern Ontario for this year's Homecoming.

## Red Cross needs blood more than ever before

The Red Cross needs our blood. The clinics are reporting the worst shortage of blood in several years. During the past summer the shortage was so acute that many surgical procedures had to be cancelled. Read on.

A donation takes only 5 percent of your blood and a half hour of your time. The fluid portion of your blood is replaced within 24 hours, the cells within 3-4 weeks. If every eligible donor in Metro gave only once a year, there would be enough blood for the entire country for one year.

Dr. D.M. Wrobel, medical director of the Toronto Red Cross, says, "There is a lack of awareness of the need to give blood. Giving blood should be a way of life."

"Last December we collected 3200 units less than we did in November. Considering that there are usually more accidents in December, requiring more blood, this is a serious shortage. We require 800 units every day. We are postponing operations in hemophilias until we have enough cryoprecipitate, the clotting factor in blood. A hemophilic having a tooth extracted requires 200 units of blood—that means 200 donors of one specific blood group."

In the past, Canadians have enjoyed a reputation for being generous blood donors. Today only 4 percent donate blood. Dr.

Wrobel points out that awareness must be kindled if we are to continue in our voluntary system.

In countries where donors are paid to give blood, the quality may be unsafe for the recipient, the donor may give too frequently, or be dishonest about having taken drugs. Because no one is paid to give blood in Canada, there is no incentive to donate blood at the times when one ought not to; after having had jaundice, or within 72 hours of having taken aspirin or another drug that might be harmful.

If you've made it to your desk or lecture this autumn, give blood for the person who didn't.

From November 3-7 inclusively, 10 a.m.—4 p.m., you can give blood in the Medical Sciences Building.

There's a permanent blood donor centre in the ManuLife building (Bay and Bloor)—Monday to Friday 10.30 a.m.—7.30 p.m., and on the first Saturday of each month, 9.30 a.m.—12.30 p.m.

The Red Cross also needs volunteers to contact tenants in the vicinity of the University to inform them of the permanent clinic in the ManuLife Centre. If you can help, call Ann Baker, 923-6692, Ext. 290.

Be Canadian, be good—for nothing.

## Series brings University to ethnic community

In an attempt to establish a closer, more open relationship with Ontario's "ethnic" communities, the University has produced a seven-part TV series intended to help Italian parents understand the options available to their children through higher education.

The series was produced by the Media Centre and the first instalment was aired last week on CITY TV. It will also be broadcast over Multicultural TV on some cable systems.

Over the past two years the University has found itself increasingly criticized, especially in the local foreign language press, about what have been considered matters of racial discrimination.

An incident which was particularly resented by the Italian community arose from a report made to the Workman's Compensation Board by Dr. Ian Hector, a professor in the Department of Psychiatry.

This and other incidents prompted the University to examine various ways by which it could establish better relations with the "ethnic" communities. Much of the impetus for this came from Jill Conway, past Vice-President of Internal Affairs. It has been carried on by her successor Frank Iacobucci.

The TV series, one of the results of this program, was directed, produced and partially written by Bob Rodgers, executive producer at the Media Centre. His total budget was a paltry \$14,000 for the seven instalments. That is about half of what is often



Bob Rodgers

spent on a single half-hour show of similar dimensions. "It was incredibly little," Rodgers says.

"But we do have flexible video equipment, so we can shoot on video tape at a much reduced cost."

Rodgers describes the making of the show as a "long and difficult job." Because he didn't want it to be a dull travelogue, he decided to build the series around a dramatic plot: a young Italian boy wants to further himself through education, against the wishes of his father.

"I can't say the script is high drama," says Rodgers. "But I think we managed to build a little drama and characterization into what is basically a very factual topic." He is also very pleased that through film and music the series could capture the flavour of Toronto's Italian community, as well as of the University.

Prof. Gianrenzo Clivio of the Italian department was official language adviser for the script. Originally, two local grade 13 students were cast to play the students. "But they were dropped because their Italian wasn't good enough," says Rodgers, and professional actors appeared in their places.

Although it is too soon to tell how successful the series will be as entertainment, or even as a means of telling the community about the University's resources, Bob Rodgers has already received a very rewarding reaction.

One of the boys originally scheduled to appear in the first episode told the executive producer that the script paralleled exactly what he was going through in trying to decide whether he would go to university this fall.

## EVENTS

## 18 SATURDAY

Football - Blues vs University of Ottawa. Varsity Stadium. 2 p.m.

## 19 SUNDAY

Film - ROM Sunday family films: *The Amazing Mariposas*. ROM Theatre. 2.30 p.m. Free with Museum admission.

Film - ROM Sunday Evening films: *Modern Times*. ROM Theatre. 7.30 p.m.

Music - U of T Concert Band, conductor Stephen Chenette. MacMillan Theatre, Edward Johnson Building. 3 p.m.

Music - Anagnoson and Kinton, duo pianists. Concert Hall, Royal Conservatory of Music. 3 p.m. Tickets \$3, students \$1.50. Telephone 928-3773.

Music - Stratford Festival Ensemble. Meeting Place, South Building, Erindale College. 3 p.m. Tickets \$3, students \$2.

Music - Camerata Vocale. Scarborough College Sunday concert series. Meeting Place. 3.30 p.m.

## 20 MONDAY

Lecture - Madame de Graffigny and her salon. Prof. English Shwaller Jr., Rutgers University. 220 University College. 4 p.m. (SGS and Graduate French)

Lecture - Caste and Ethnicity in India. Prof. Andre Beteille, Department of Sociology, University of Delhi. 523 New College. 4 p.m. (South Asian Studies Committee of ISP)

Lecture - The Holocaust: Its Place in History Today. First of three lectures. "Rescue by Negotiations: Jewish Attempts to Negotiate with the Nazis". Prof. Yehuda Bauer, Institute of Contemporary Jewry, Hebrew University, Jerusalem. Auditorium, Medical Sciences Building. 8 p.m.

Workshop - Technical Change, Tax Policy and the Survival of the Fittest for Energy. Prof. Ernest Berndt, University of British Columbia. Applied Microeconomic and Econometrics Workshop (Joint Session). Front Conference Room, Institute for Quantitative Analysis of Social and Economic Policy, 150 St. George St. 4 to 6 p.m.

Meeting - South Asian Studies Committee, first lunch ("brown bag") meeting. Room 14352, Sanskrit and Indian Studies Department, 14th floor, Roberts Library. Noon.

## 21 TUESDAY

Lecture - Social Structure in Rural India and the "Population Problem". Prof. Andre Beteille, Department of Sociology, University of Delhi. 1135 Erindale College. 2 p.m. (South Asian Studies Committee of ISP)

Lecture - The Practice of Law. D.B. Goodman Memorial Lectures, first of series of three. The Hon. John L. Farris, Chief Justice of British Columbia. Moot Court, Faculty of Law. 4 p.m.

Lecture - Elliptical Galaxies: Velocity Dispersions, Internal Dynamics and Gas Content. Dr. Sandra Faber, Lik Observatory, University of California. David Dunlap Observatory. 4 p.m.

Lecture - The Holocaust: Its Place in History Today. Second of three lectures, "Forms of Jewish Resistance During the Holocaust". Prof. Yehuda Bauer, Institute of Contemporary Jewry, Hebrew University, Jerusalem. Auditorium, Medical Sciences Building. 4.30 p.m.

Lecture - Great Artists as Observers of Animals. Prof. T.A. Heinrich, Fine Arts Department, York University. ROM Theatre. 5.30 p.m.

Lecture - The Role of the Citizen in Government. Dr. Charles Godfrey, M.P.P. Meeting Place, Scarborough College. 8 p.m. (See story page 2 on Scarborough Decennial.)

## 22 WEDNESDAY

Lecture - The Practice of Law. D. B. Goodman Memorial Lectures, second of series of three. The Hon. John L. Farris, Chief Justice of British Columbia. Moot Court, Faculty of Law. 4 p.m.

Lecture - Economic Development in Turkey. Prof. Sevim Gorgun, Faculty of Economics, University of Istanbul. Upper Library, Massey College. 4.10 p.m. (Middle East Studies Committee of ISP and Middle East Studies Assn. of North America)

Lecture - Between the Indus and the Euphrates Rivers. Dr. C. J. Lamberg-Karlovsky, Professor of Anthropology, Harvard University and curator, Near Eastern Archaeology, Peabody Museum. Lecture room, McLaughlin Planetarium. 4.30 p.m.

Lecture - The Holocaust: Its

Place in History Today. Third of three lectures. "The Holocaust Today: Current Scholarship and New Directions". Prof. Raul Hilberg, Professor of Political Science, University of Vermont. Auditorium, Medical Sciences Building. 8 p.m.

Seminar - The Measurement of Labour Turnover. Prof. W. Price, Faculty of Administrative Studies, Laval University. 208 Roseburgh Building. 3 p.m. (Industrial Engineering)

Seminar - Relationships between the TIME and SPACE required by computations. Prof. Charles Rackoff, visiting from Massachusetts Institute of Technology. 103 McClellan Physical Laboratories. 4 p.m.

## 23 THURSDAY

Lecture - Pronunciation of Middle Scots. A. I. Aitken, Dictionary of the Older Scottish Tongue, University of Edinburgh. Upper Library, Massey College. 4 p.m. (Graduate English, Medieval Studies and SGS)

Lecture - Pirandello's *Six Characters: A History and an Analysis*. Prof. Olga Rugaia, Department of Italian, Columbia University. 1086 Sidney Smith Hall. 4.10 p.m. (SGS and Graduate Italian Studies)

Lecture - Aesthetic Education: Present and Future. Dr. Bennett Reimer, Case Western Reserve University. Walter Hall, Edward Johnson Building. 2.10 p.m.

Lecture - The Practice of Law. D. B. Goodman Memorial Lectures, third of series of three. The

Hon. John L. Farris, Chief Justice of British Columbia. Moot Court, Faculty of Law. 4 p.m.

Symposium - The Holocaust: Its Place in History Today. Chairman, Dr. John L. Farris. Participants: Prof. Yehuda Bauer, Hebrew University, Jerusalem; Prof. Emil Fackenheim, Department of Philosophy; Prof. Raul Hilberg, University of Vermont. Convocation Hall. 8 p.m.

Talk - Socio-Economic Origins of Internal Strife in Lebanon. Prof. Adil Kana'an, Department of Economics, University of Pennsylvania, formerly at the American University of Beirut. Combination Room, Trinity College. 7.30 p.m. (Third World Studies Program of ISP)

## 24 FRIDAY

Lecture - The Political Economy of Lebanese Development. Prof. Adil Kana'an, Department of Economics, University of Pennsylvania, formerly at the American University of Beirut. 3037 Sidney Smith Hall. 2 to 4 p.m. Please telephone Jane Woods at 928-3350 if you will be attending.

Colloquium - Molecular Beam Chemistry: Facile Reactions of van der Waals Molecules. Prof. D.R. Herschbach, Harvard University. Those who Lack Miller Chemical Laboratories. 4 p.m.

## 26 SUNDAY

Film - ROM Sunday family films: *Lion Pride*. ROM Theatre. 2.30 p.m. Free with Museum admission.

## President's statement to Governing Council

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639 in those junior ranks. You can see that if the necessity to avoid making regular appointments continues, there will be a serious generation gap in the University.

On my second theme, the evaluation of students, the Academic Affairs Committee has been studying the report of its Subcommittee on Curriculum and Standards based on the Barbeau-Berridge recommendations on grading practices and methods and techniques of evaluation. This study has been under way since 1973, not with the aim of "resuming" student evaluation, since it has never been interrupted, but with the aims of ensuring fairness and equity across the University, providing a grading system that gives information both about the absolute attainment of the student and the standing relative to others, and making use of evaluation as a valuable aid in the teaching-learning process.

Evaluation of students has been and will be an important part of the educational process, and its nature has a profound influence. We are seeking methods of evaluation which meet the objective of stimulating the learning process of the student toward the most important goals of the higher educational experience. Important aspects of this stimulation are regular and terminal feedback to the student about his own progress in attaining the goals. In addition, for scholarships and in this era of competitive entry to law, medicine, dentistry and other professional programs which require several years of Arts and Science experience, it is necessary to have equity in the grading practices associated with evaluation. Besides the traditional formal written examinations we have to devise and use other modes of evaluation appropriate to team projects, clinical experiences and variously structured learning situations where written examinations would elicit only stilted responses.

My third theme is curricular experimentation, which the article I referred to seems

to condemn out of hand as creating the illusion of understanding. If this were true, this University would certainly stand condemned, for we have actively sought for areas of innovation and experimentation in an attempt to offer considerable diversity of opportunity to our students. In the Faculty of Arts and Science, the New Program introduced in response to the Macpherson Report, the subsequent evaluation of that program in the Berylne Report, and most recently the Memorandum of Understanding among the colleges, all are aimed at achieving the most favourable balance of freedom of choice, study in depth, and personal contact and supervision. In the professional faculties I might pick out the Engineering Science program in contrast to the regular professional engineering programs as offering different choices for those with intensive academic interests. In Medicine, the "systems" approach in medical education is one of the "firsts" in Canada for this University. None of these experiments is questionable academic integrity. We offer a number of co-operative programs with Colleges of Applied Arts and Technology; the Erindale-Sheridan College program in fine art, the dental hygiene arrangements with George Brown, the Master of Engineering co-operative program with Seneca. The aim in all these programs is to make mutually advantageous use of the facilities and expertise available in both institutions for the students' benefit. This University is not "doing many things the colleges could do better." I am not aware of any university in Ontario that is providing the kind of vocational and technological courses that that description implies.

Introductory and interdisciplinary courses are deprecated in the *Globe* report; yet the need for introductory courses at the university level in disciplines which are not taught in the high schools is surely obvious. Interdisciplinary courses are a necessary and highly desirable component of any modern university's course offer-

ings; some of the most advanced scientific and scholarly work these days takes place on an interdisciplinary frontier, from biophysics and urban planning to comparative literature. In a world of incredibly complex linkages there is an urgent necessity for multidisciplinary approaches to almost every major problem. The university must give a lead by its willingness to break through the traditional barriers between fields of knowledge. This is the only way to approach, for instance, environmental studies, or the issue of community health as compared with individual health. Our graduate Centres and Institutes have pioneered in these approaches, and we have no reason whatever to be apologetic or to be placed on the defensive. "Interdisciplinary" is not a synonym for "unchallenging", but quite the reverse.

I have been speaking of the content of pedagogic innovation. The process is more controversial. But we are making attempts to bring out qualities in our students and to achieve goals other than the mastery of content and the critical understanding of a discipline. These other goals are not substitutes for the regular educational goals, nor do they occupy the major part of the student's experience. They aim at broadening horizons and attitudes, and evoking creativity. Examples are the studio approach in architecture and fine art, research experience in laboratories, seminars in creative writing and film. These experiences are much more difficult to evaluate objectively, and it is important to prevent the method of evaluation from undermining the objective of the experience. This is not a reason to abandon evaluation but rather, as I said just now, to search for the evaluative techniques which will reinforce the learning objective.

Perhaps the most indispensible aspect of the report is the implication that universities should not endeavour to provide special services for disadvantaged students. I have stated before, and repeat again, my belief

that universities should not be the exclusive preserve of those who happen to have a high I.Q. any more than they should be exclusively for the affluent. Individuals may vary considerably in their academic attainments as a result of their early environment and opportunities. University education should be for those who have the greatest prospects for academic and intellectual growth as a result of the experience. For example, a student who gains first class honours through the possession of a remarkable memory may have less potential for benefit than a second class honours student with greater intellectual curiosity and stronger motivation. This University, which pioneered in the field of special programs for the educationally disadvantaged through the Transitional Year Program - which is extremely active in the area of part-time studies for those who want a second chance at higher learning - which has both expertise and experience in teaching English as a second language - and which has been working with representatives of minority groups throughout this metropolitan area to do our best to help those who are called "handicapped by home environment", should repudiate emphatically the idea that this is not a proper field for some of our energies and resources.

Surely university education is for those who have the combination of strong motivation to learn and the necessary intellectual equipment to take advantage of higher learning. Our pedagogic approach cannot remain frozen, it must continue to evolve, and not all innovation can be expected to be successful.

In conclusion, to summarize: we have never abandoned evaluation of staff or of students, and we shall not do so; we make no apology for attempting to improve our programs along with the traditional ones; and we regard our responsibility to potential students with differing socio-economic backgrounds as not only important but inescapable.